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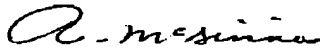
A) Supplemental Amendment to the Specification, 7 pages

B) **Enclosures:** 1) Gyapay, et. al. (1994) Nature Genetics, 7: pp. 248-249,

2) Schuster, H. et al (1995) Nature Genetics, 13(1), p. 100, 3 pages

C) This Certificate of Fax Transmission, 1 page

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Supplemental Amendment of the Specification for application 10/037, 718
Applicants MCGINNIS ET AL. July 15, 2006 (fax submission to 571-273-8300) 1
Total of 7 pages

Supplemental Amendment to the Specification

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Ralph Evan McGinnis and Robert Owen McGinnis

Application No.: 10/037,718

Filed: 01/04/2002

Title of the Invention: TWO-DIMENSIONAL LINKAGE STUDY METHODS AND RELATED
INVENTIONS

Art Unit 1637

Examiner: Horlick, K.

Honorable Commissioner for Patents

Submitted by fax to 571-273-8300

SUPPLEMENTAL AMENDMENT TO THE SPECIFICATION

Sir:

This Supplemental Amendment follows an Amendment/Response filed on Tuesday, 5/30/2006. The Amendment/Response of 5/30/2006 responded to each point of rejection in the previous Office Action of 12/29/05. This Supplemental Amendment requests some amendments to the Specification.

Amendments to the Specification begin on page 2 of this paper.

Remarks begin on page 5 of this paper.

Conclusion begins on page 7 of this paper.